

**QUARTERLY MONITORING REPORT
FIRST QUARTER 2005
AND
STATUS OF WORKPLAN #3**

SITE:

FORMER DISCOUNT TIRE CENTER #53

1200 I STREET,
SACRAMENTO, SACRAMENTO COUNTY, CALIFORNIA

PREPARED FOR:

DOROTHY NOYES, et al, PROPERTY OWNER

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PREPARED BY:

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APRIL 8, 2005

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1.0 INTRODUCTION

This *Quarterly Monitoring Report, First Quarter 2005, and Status of Workplan* (Report) was prepared by Applied Engineering and Geology, Inc. (AEG), at the request of Dorothy Noyes, et al (Property Owner), of the subject Site. This Report documents the occurrence of environmental activities regarding the Former Discount Tire facility (Site) during January, February, and March (First Quarter) 2005. This Report is intended to comply with Title 23, Section 2652 (d) of the *California Code of Regulations* for this Site.

2.0 GENERAL SITE INFORMATION

2.1 Site Description

The Site is located at 1200 I Street, Sacramento, Sacramento County, California (see **Figure 1**). The Site is the location of a former automobile tire store (see **Figures 2** and **3**). It is also the former location of a gasoline service station that closed approximately 50 years ago. The Site is at an elevation of approximately 21 feet. Topography in the vicinity is relatively flat.

2.2 Geology / Hydrogeology

This Site lies on a nearly flat area that is part of the Sacramento Valley, an alluvial plain of continental deposits overlying a thick layer of marine sediments. The alluvium consists of fine sands, silts and clays. Soil beneath the Site is predominantly sands intermixed with silts and clays. Depth to ground water varies, but was reported to be at a depth of approximately 16 feet below ground surface (bgs) by Sierra Piedmont Engineers and Geologists (Sierra Piedmont) in *Limited Subsurface Investigation*, dated December 8, 2000. AEG has encountered ground water at depths that range from 15-19 feet bgs.

3.0 PREVIOUS INVESTIGATIONS

In 2000, Sierra Piedmont conducted a *Phase I Environmental Assessment* (Phase I) of the Site for Goodyear Tire & Rubber Company (Goodyear). Findings of the Phase I prompted Sierra Piedmont to propose a limited *Phase II Environmental Site Assessment* (Phase II Investigation). This Phase II Investigation included the use of ground penetrating radar at the Site and the placement of three temporary monitoring wells for the collection of soil and ground water samples.

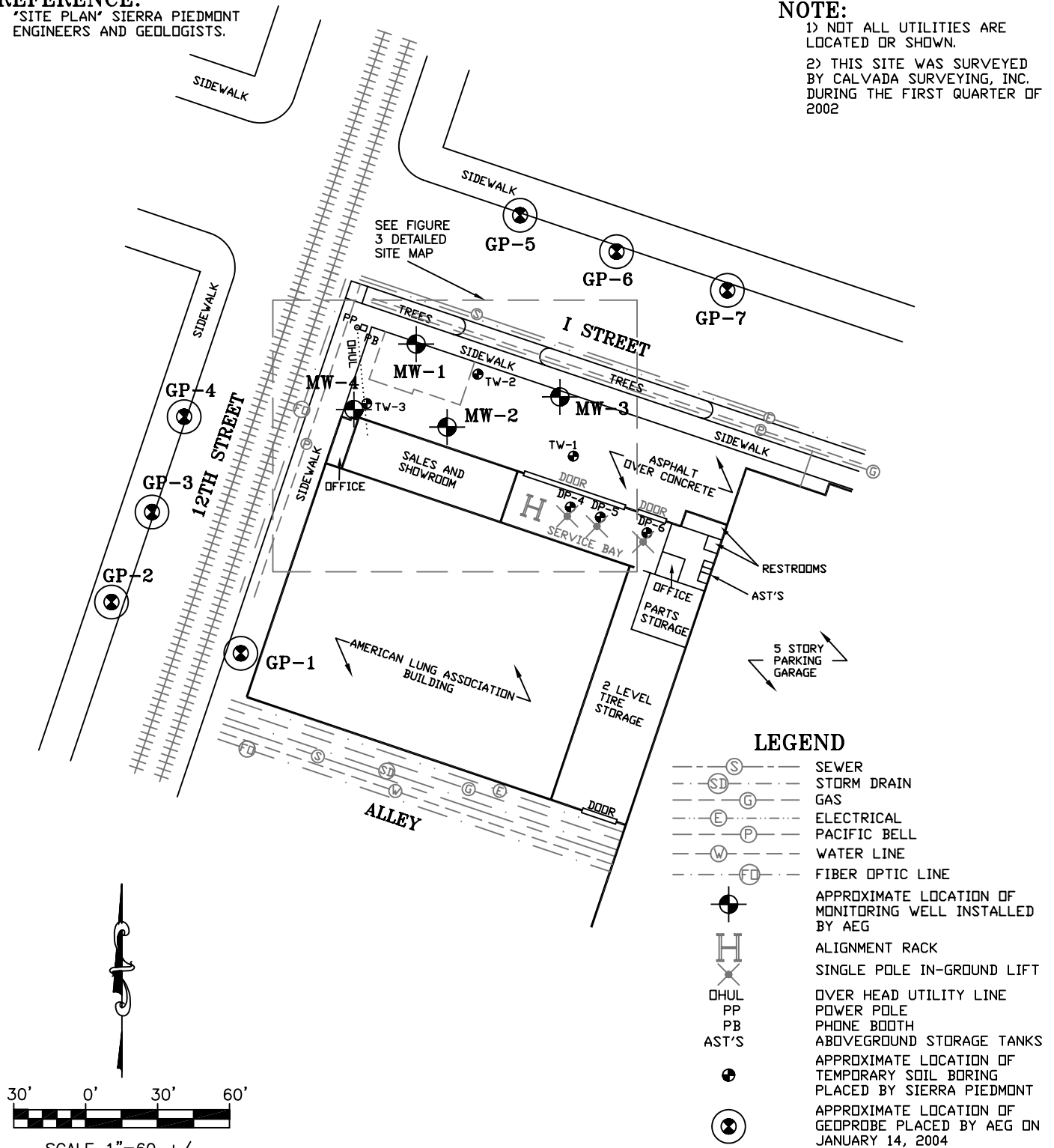
On October 26, 2000, Sierra Piedmont was onsite to oversee Gasch & Associates, Inc. (G&A), as they conducted a geophysical investigation of the Site. G&A presented their findings in *Report of Findings for the Ground Penetrating Radar Data Acquisition at the I Street Discount Tire Center in Sacramento, California*, dated December 18, 2000. This investigation noted “a relatively deep anomaly, with the characteristics of a UST.”

REFERENCE:

'SITE PLAN' SIERRA PIEDMONT
ENGINEERS AND GEOLOGISTS.

NOTE:

- 1) NOT ALL UTILITIES ARE LOCATED OR SHOWN.
- 2) THIS SITE WAS SURVEYED BY CALVADA SURVEYING, INC. DURING THE FIRST QUARTER OF 2002



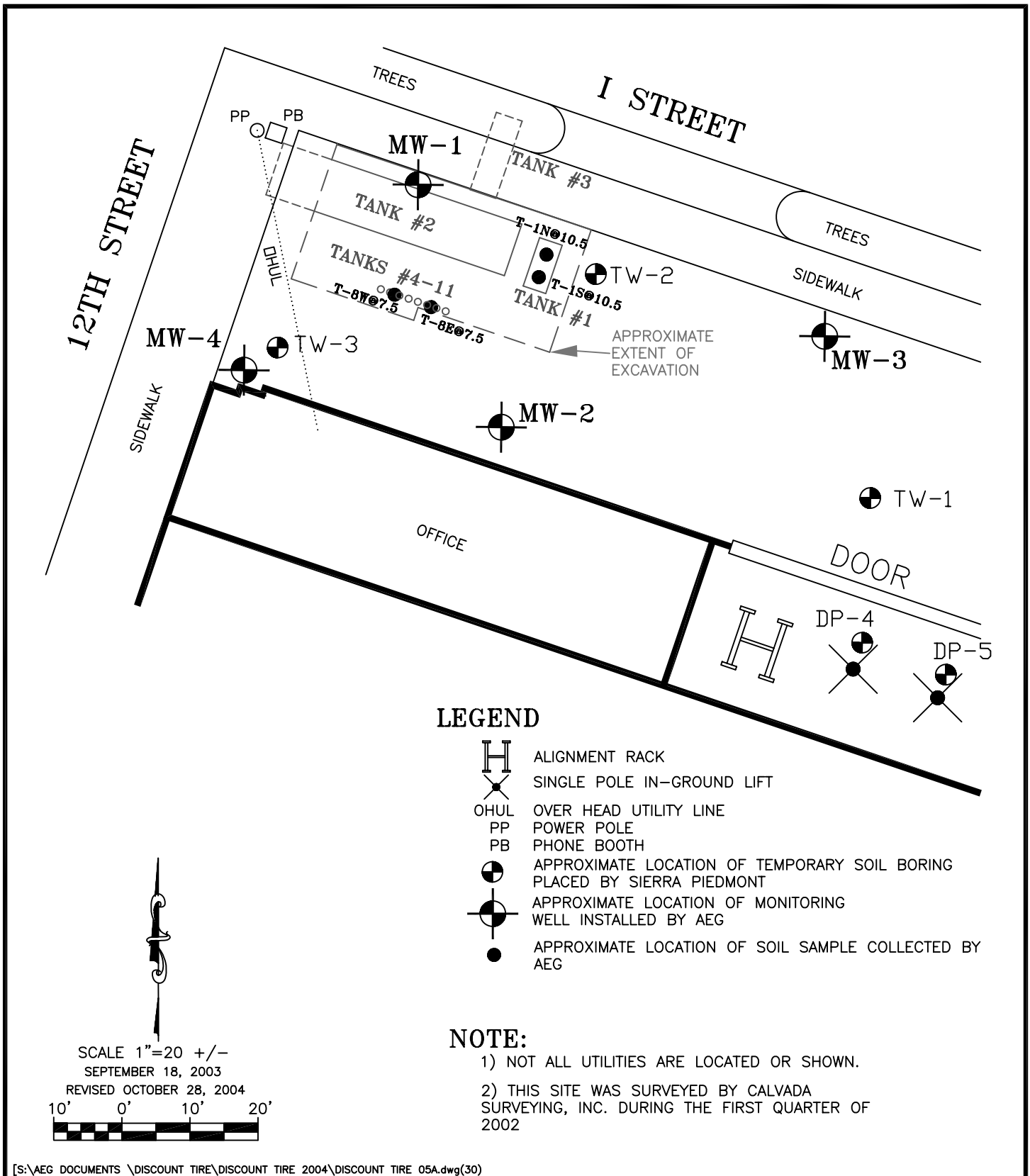
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GENERALIZED SITE MAP
FORMER DISCOUNT TIRE
1200 I STREET
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FIGURE 2



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**DETAILED SITE MAP
 FORMER DISCOUNT TIRE
 1200 I STREET
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FIGURE 3

On November 17, 2000, a truck mounted direct push rig was utilized to collect soil and ground water from the subsurface of the Site.

Results of the Phase II Investigation determined petroleum hydrocarbons existed in soil and ground water beneath the Site. Analysis of the ground water also detected the presence of low concentrations of volatile organic compounds (VOCs) usually associated with dry cleaning establishments or vehicle maintenance operations. The analyses conducted were not complete. Soil samples were not analyzed for the benzene, toluene, ethylbenzene and xylenes (BTEX) analytes and water samples were not analyzed for total petroleum hydrocarbons as gasoline (TPHg) or total petroleum hydrocarbons as diesel (TPHd). Ground water levels were not obtained, nor was a direction of ground water flow determined.

Analytical results from the Phase II Investigation are shown in **Appendix A, Tables A-2 and A-10**. Based on analytical data from the Phase II Investigation, the County of Sacramento Environmental Management Department (County) directed that an investigation be conducted to determine the extent of soil and ground water contamination beneath the Site.

AEG prepared a *Site Contamination Workplan* (Workplan), dated April 12, 2001, which proposed the placement of three ground water monitoring wells at the Site, and performing a Sensitive Receptor Survey of the area around the Site. The Workplan was approved by the County on May 10, 2001.

Installation of the three ground water monitoring wells was initiated on July 18, 2001. During the field activities, underground storage tanks (USTs) were located at the Site, allowing only two of the three monitoring wells (MW-2 and MW-3) to be installed. AEG acquired permits to remove the USTs, and following tank removal activities completed the installation of monitoring wells.

Analytical results of samples collected during the installation of MW-2 and MW-3 prompted AEG to propose, and the County to approve, the installation of an additional ground water monitoring well (MW-4) at the Site, information as to the details and construction can be found in **Table 3-1**. Soil analytical results are presented in **Tables A-3 and A-4**. Ground water analytical results are presented in **Table A-12, A-13, and A-15**.

TABLE 3-1			
Monitoring Well Construction Details			
Well Number	Total Depth (ft)	Length of Screen (ft)	Well Diameter (inches)
MW-1	24.87	15	2
MW-2	25.21	15	2
MW-3	25.19	15	2
MW-4	24.74	15	2

On July 18, 2001, AEG utilized a backhoe to investigate the deep anomaly located by G&A in November 2000. Two USTs were located with the backhoe, and the investigation was suspended.

On July 19, 2001, while AEG was preparing to advance the borehole for MW-1, a UST was encountered during the hand augering procedure. At that time it was believed to be a third tank.

On July 26, 2001, AEG collected a water sample (see **Table A-11**) from the contents of Tank #1 (500 gal tank), and four soil samples of the spoil pile. The four soil samples were later composited by the laboratory, at a ratio of 4:1, into one sample for analysis (see **Table A-5**).

Between August 7, 2001 and August 13, 2001, AEG was onsite to remove the suspected three USTs. During excavation activities, AEG discovered that the suspected third UST encountered on July 19, 2001 was the other end of the large UST located on July 18, 2001. Additionally, nine other USTs were located during tank removal activities. A total of eleven USTs were located at the Site. Of the eleven USTs located, AEG removed nine, and abandoned the other two in-place (see **Figure 3**).

On September 28, 2001, AEG was again onsite to complete the installation of monitoring wells MW-1 and MW-4. Analytical results of samples collected during installation of the four monitoring wells, tank removals and abandonments, and ground water samples were presented along with a cross-sectional diagram of the Site and a Sensitive Receptor Survey in AEG's *Preliminary Investigation and Evaluation Report*, dated November 30, 2001. Analytical results of soil samples are presented in **Tables A-3** and **A-4**. Ground water samples were not collected during construction.

In a letter dated February 8, 2002, the County directed the Property Owners to investigate the possibility of existing monitoring wells, in the downgradient direction, that could be used to indicate the presence or absence of offsite transport and to provide a workplan for additional investigation.

The Site was surveyed on February 28, 2002, as required by AB 2886 (Electronic Submission Laboratory Reports) of the California Legislature Article 5, Chapter 3, Division 7, Section 13195 - 13198 Water Code with emergency regulations implemented by the State Water Resources Control Board.

At the request of Dorothy Noyes et al, Property Owner, AEG prepared *Workplan for Additional Investigation* (Workplan #2), dated April 1, 2003. Workplan #2 proposed the installation of seven Geoprobe® boreholes to a depth of 20 feet, with the collection and analysis of one soil sample and one ground water sample from each of the boreholes.

In a letter from Sacramento County dated July 16, 2003, Laura Marshall approved AEG's Workplan #2. However, she also suggested that the Closure Review Board review the Site information to determine if any additional information would be required.

The Closure Review Board met on September 12, 2003. The board felt that the current data were sufficient; however, upgradient wells would be needed. Laura Marshall (County) discussed this with Stan Walker (AEG). It was agreed that after the completion of Workplan #2 (Geoprobe® Investigation) the Site would be reassessed.

On January 14, 2004, AEG was onsite to install seven Geoprobe® boreholes as approved in Workplan #2. Results of Workplan #2 were presented in AEG's *Quarterly Monitoring Report, First Quarter 2004 and Report of Geoprobe® Investigation*, dated April 4, 2004. Analytical results of soil samples are presented in **Table A-9**. Analytical results of ground water samples are presented in **Tables A-14** and **A-16**.

After the Geoprobe® Investigation, AEG discussed the activities and analytical results with Laura Marshall (County). Ms. Marshall agreed with AEG that this Site does not pose a threat to human health or the environment, and that it should receive "No Further Action Required" status.

In AEG's *Quarterly Monitoring Report, Second Quarter 2004 and Request for Closure*, dated July 15, 2004, AEG requested that the Site receive "No Further Action Required" status. Laura Marshall (County) requested that until "No Further Action Required" is granted, that the Site continue to be monitored on a quarterly basis.

Ernie Schofield (AEG) spoke with Laura Marshall (County) on December 15, 2004, to discuss Sacramento County's requirements, and options to move the Site to "No Further Action Required" status. Ms. Marshall told AEG that to receive "No Further Action Required" Status, the total petroleum hydrocarbons as gasoline (TPHg) concentrations in ground water monitoring well MW-1 would need to show a declining trend, or the combined average trend at the Site would need to show a declining trend, or the occurrence of natural attenuation at the Site would need to be proven.

To proceed towards "No Further Action Required" status, AEG produced *Quarterly Monitoring Report Fourth Quarter 2004, Status of Request for Closure, and Evaluation of Remedial Options Workplan* (Workplan #3), dated January 31, 2005, proposing the following work be performed:

- Evaluation of the averaged declining trend;
- Natural attenuation testing; and,
- Evaluation of remedial options.

4.0 ACTIVITIES DURING FIRST QUARTER 2005

AEG was onsite January 11, 2005 for the collection of ground water data and ground water samples for laboratory analysis. All laboratory samples collected were analyzed as follows:

- MW-1 - TPHg, TPHd, BTEX, MTBE, and VOCs;
- MW-2 - TPHg, TPHd, BTEX, MTBE, and VOCs;
- MW-3 - TPHg, TPHd, BTEX, MTBE, and VOCs; and,
- MW-4 - TPHg, TPHd, BTEX, MTBE, and VOCs.

4.1 Ground Water Measurements

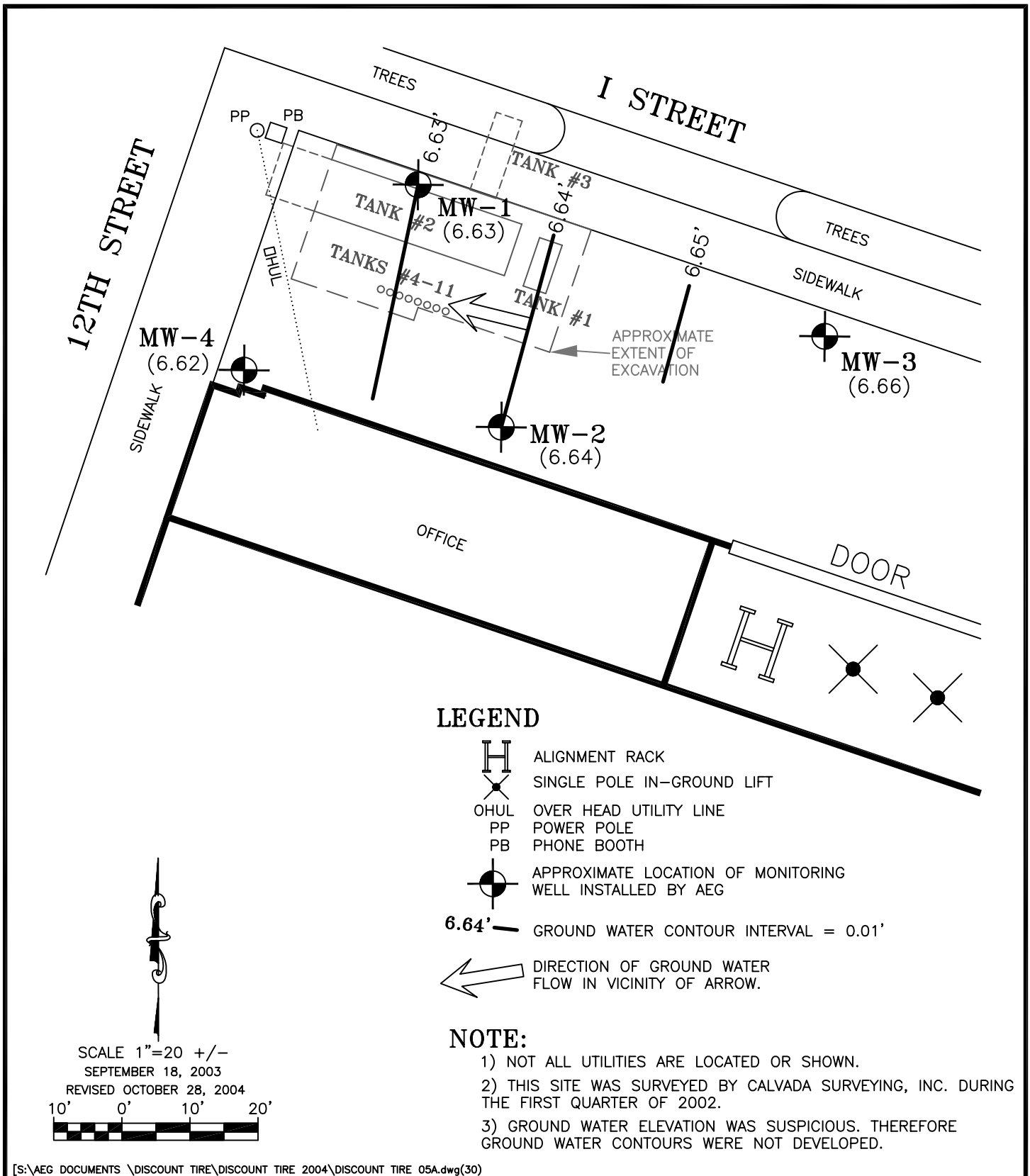
The depth to ground water in the onsite monitoring wells were measured on January 11, 2005, as part of the quarterly monitoring. The ground water elevation was calculated by subtracting the depth to ground water in each well from the elevation of the top of the PVC casing. The elevation of the casing for each well was established relative to National Geodetic Survey (NGS) Monument JS1012. Ground water elevation data are shown in **Table 4-1**.

TABLE 4-1 Ground Water Elevation Data for January 11, 2005					
Well	Top of Casing	Depth to Water	Ground Water Elevation	Direction of Flow	Gradient (ft/ft)
MW-1	21.83	15.20	6.63	N 76° W	0.0005
MW-2	22.35	15.71	6.64		
MW-3	22.10	15.44	6.66		
MW-4	22.03	15.41	6.62		

As presented in **Figure 4**, the ground water contours shows the direction of ground water flow at **North 76° West** with a gradient of approximately **0.0005 feet per foot (ft/ft)**.

4.2 Ground Water Sampling

On January 11, 2005, ground water samples were collected from each of the monitoring wells. Prior to collection of ground water samples, ground water from each of the monitoring wells was analyzed for dissolved oxygen (DO). Then, the wells were purged of at least three well volumes or until dry. The temperature, pH, conductivity, and oxidation-reduction potential (ORP) of the purge water were measured and recorded. Following collection of the ground water sample, ground water was again field analyzed for DO. These measurements and other field data are shown on the purge sheets in **Appendix B**.



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GROUND WATER CONTOURS 01/11/05
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FIGURE 4

4.3 Ground Water Analytical Data

Ground water samples were analyzed by EPA Method 8260B for total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, and xylenes (BTEX); methyl tert butyl ether (MTBE); and volatile organic compounds (VOCs), and by EPA Method 8015(M) for total petroleum hydrocarbons as diesel (TPHd). The samples were collected and transported under strict chain of custody, and in accordance with EPA's SW 846 guidelines. The samples were preserved on ice and transported to Kiff Analytical for analysis. Analytical results are tabulated in **Tables 4-2** and **4-3**, with positive analytical results are presented in **Figure 5**. Copies of the certified analytical laboratory results are included in **Appendix C**.

TABLE 4-2 Analytical Results of Ground Water Samples Collected January 11, 2005 Analyzed by EPA Method 8260B for TPHg, BTEX, and MTBE, and by EPA Method 8015(M) for TPHd All Results in Parts Per Billion (ppb)							
Sample ID	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MW-1	5,200	<1,500	<1.0	<1.0	2.7	1.0	<1.0
MW-2	400	<200	<0.50	<0.50	<0.50	<0.50	0.97
MW-3	<50	<50	<0.50	<0.50	<0.50	<0.50	0.96
MW-4	1,700	<200	<0.50	<0.50	<0.50	<0.50	0.86

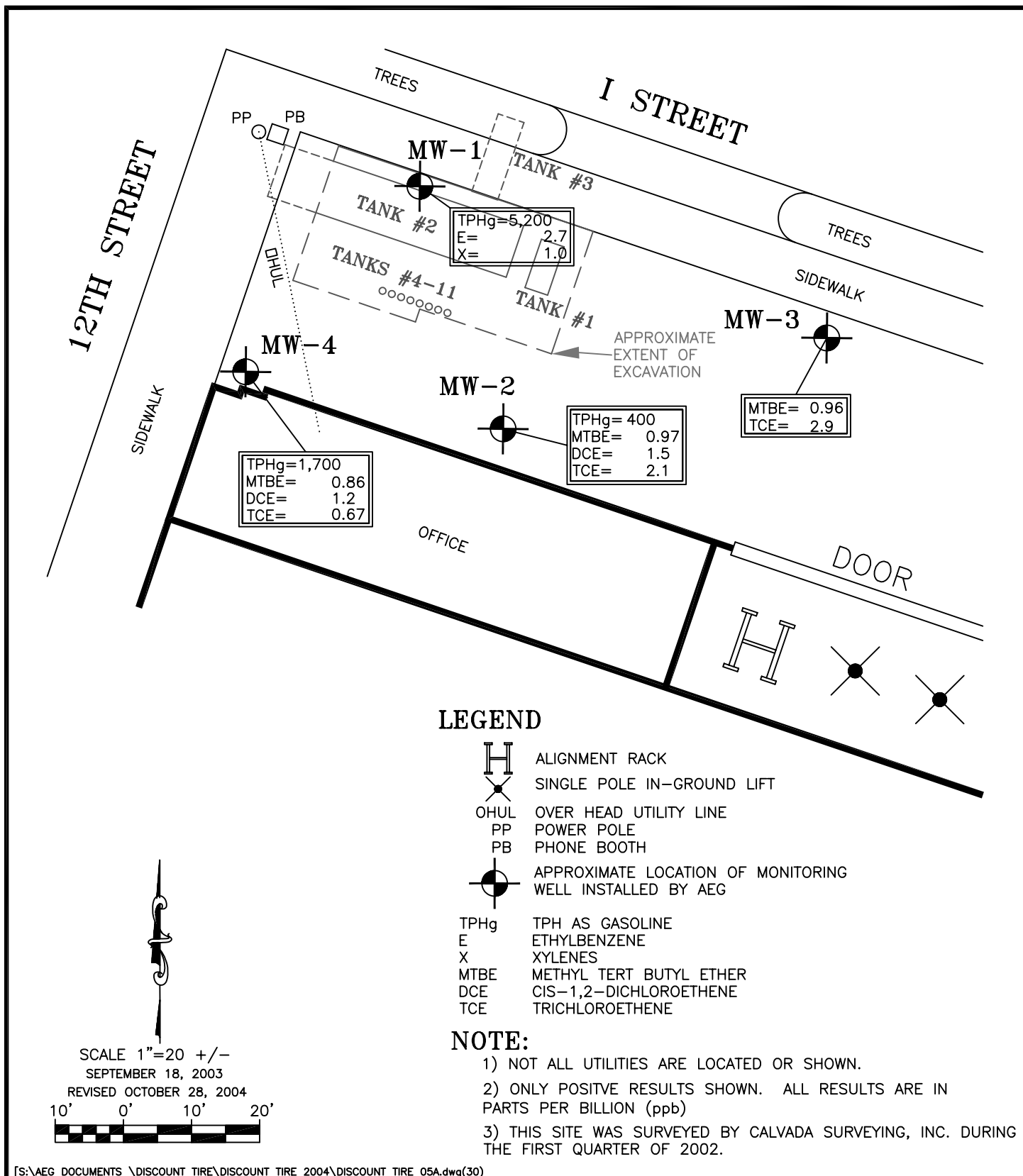
TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

MTBE = Methyl tert butyl ether

Laboratory note: "The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-1, MW-2, and MW-4."

TABLE 4-3 Positive Analytical Results of Ground Water Samples Collected January 11, 2005 Analyzed by EPA Method 8260B for Volatile Organic Compounds All Results in Parts Per Billion (ppb)		
Sample ID	cis-1,2- Dichloroethene	Trichloroethene
MW-1	<1.0	<1.0
MW-2	1.5	2.1
MW-3	<0.50	2.9
MW-4	1.2	0.67



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GROUND WATER ANALYTICAL 01/11/05
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FIGURE 5

4.4 Discussion of Ground Water Analytical Results

Laboratory analytical results from the January 11, 2005 sampling event indicate that ground water beneath the Site contains concentrations of hydrocarbons and VOCs.

A review of the laboratory analytical data indicates the following:

- TPHg- Three of the four ground water samples analyzed contained concentrations of total petroleum hydrocarbons as gasoline above their method reporting limit (MRL). The highest concentration was reported in sample *MW-1* at a concentration of 5,200 parts per billion (ppb).
- TPHd- None of the ground water samples analyzed contained a concentration of total petroleum hydrocarbons as diesel above its MRL. It should be noted that samples *MW-1*, *MW-2*, and *MW-4* had higher MRLs due to interference from gasoline-range hydrocarbons.
- BTEX- Sample *MW-1* was the only sample analyzed to contain any of the benzene, toluene, ethylbenzene, and xylenes (BTEX) constituents above their MRLs. *MW-1* was reported to contain ethylbenzene at a concentration of 2.7 ppb and xylenes at 1.0 ppb.
- MTBE- Three of the four samples analyzed contained a concentration of methyl tert butyl ether (MTBE) above their MRL. The highest reported concentration was in ground water sample *MW-2* at 0.97 ppb. It should be noted that *MW-1* had an elevated MRL.
- VOCs- Historically, samples collected at the Site have been analyzed for 29 volatile organic compounds (VOCs). Of these, only three have been reported above their MRLs (cis-1,2- dichloroethene, trichloroethene, and vinyl chloride).
- Cis-1,2- Dichloroethene- Two of the four ground water samples analyzed contained a concentration of cis-1,2- dichloroethene above their MRL. The highest reported concentration was detected in sample *MW-2*, at 1.5 ppb.
- Trichloroethene- Three of the four ground water samples analyzed contained a concentration of trichloroethene above their MRL. The highest reported concentration was in sample *MW-3*, at 2.9 ppb.

Vinyl Chloride-

Vinyl chloride was not reported above its MRL in any of the samples collected and analyzed for. However, *MW-1* did have an elevated reporting limit.

4.5 AB2886 Submittal Report

The Electronic Deliverable Format 1.2i (EDF) Data associated with the First Quarter 2005 sampling event have been submitted. The EDF of this Report in PDF format will be uploaded when approved by the Client, and documented in the next EDF Submittal Report. Cumulative EDF uploads for Former Discount Tire are presented in the EDF Submittal Report, located in **Appendix D**.

4.6 Purge Water

Approximately 20 gallons of purge water were generated during the First Quarter 2005 sampling event. Purge water was stored onsite in 55 gallon drums, and was properly disposed of after the First Quarter sampling event by InStrat Inc. of Davis, California.

5.0 STATUS OF WORKPLAN

AEG is waiting for approval of the proposed *Evaluation of Remedial Options Workplan* presented in *Quarterly Monitoring Report Fourth Quarter 2004, Status of Request for Closure, and Evaluation of Remedial Options Workplan* (Workplan 3), dated January 31, 2005.

When Workplan #3 is approved, AEG will schedule its implementation.

6.0 NEXT PHASE OF INVESTIGATION

As requested by Laura Marshall, AEG will continue quarterly monitoring at the Site pending “No Further Action Required” status.

During the next quarter, AEG will be onsite to gather ground water data, and collect ground water samples for analysis. Water samples will be analyzed as follows:

- MW-1 - TPHg, TPHd, TPHmo, BTEX, MTBE, and VOCs;
- MW-2 - TPHg, TPHd, TPHmo, BTEX, MTBE, and VOCs;
- MW-3 - TPHg, TPHd, TPHmo, BTEX, MTBE, and VOCs; and,
- MW-4 - TPHg, TPHd, TPHmo, BTEX, MTBE, and VOCs.

7.0 STATEMENT OF LIABILITY

This *Quarterly Monitoring Report, First Quarter 2005, and Status of Workplan #3* (Report) was prepared by Applied Engineering and Geology, Inc. (AEG), at the request of Mrs. Dorothy Noyes, et al, (Property Owner), using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable engineers, geologists, and scientists practicing in this or similar localities in California at the time this Report was prepared.

No other warranty, expressed or implied, is made as to the information and professional advice included in this Report. This Report was written to document remedial activities conducted at the Site and to comply with Title 23, Section 2652 (d) of the *California Code of Regulations*. Any reliance on this Report by third parties shall be at such parties' sole risk.

AEG's Report is based on factual information obtained from Dorothy Noyes, and others, that has been assumed to be correct, accurate and complete. Applied Engineering and Geology, Inc., does not guarantee the correctness, accuracy, or completeness of those data.

AEG's Report of the presence and possible extent of selected hydrocarbons in soil and water at the Site is based on a limited number of observation points. Further investigation can reduce the inherent uncertainties associated with these types of limited environmental investigations.

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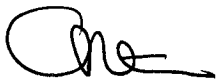
Should you have any questions regarding the content of this Report, please contact the undersigned at 916.645.6014.

Sincerely,

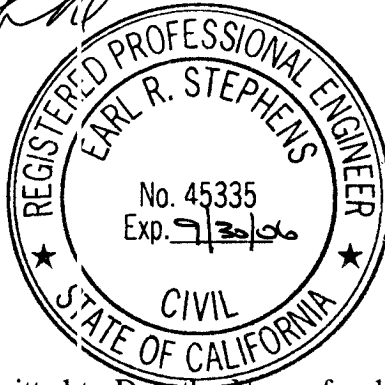
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Ernie Schofield
Project Manager



Earl Stephens, RCE 45335
Principal Engineer



Additional copies were submitted to Dorothy Noyes for distribution to:

Laura McLean, Sacramento County Department of Environmental Management
Kathy Amaru, Regional Water Quality Control Board, Central Valley Region
State Water Resources Control Board, UST Cleanup Fund
Carol Scheiber, Property Owner
Betty Van Meter, Property Owner
Alice Noyes, Property Owner

APPENDIX A

Cumulative Analytical

A.0 CUMULATIVE WATER LEVELS AND ANALYTICAL RESULTS

A.1 Cumulative Ground Water Elevation Data

TABLE A-1 Ground Water Elevation Data for October 15, 2001 through Present						
Date	MW-1	MW-2	MW-3	MW-4	Direction of Flow	Gradient (ft/ft)
10/15/01	2.51	2.52	2.54	2.49	S 51 ⁰ W	0.0005
01/20/02	5.52	5.52	5.54	5.50	S 30 ⁰ W	0.0013
05/16/02	4.54	4.51	4.57	4.45	S 4 ⁰ W	0.001
					S 14 ⁰ W	0.002
07/13/02	3.68	3.67	3.72	3.64	S 19 ⁰ W	0.0011
10/25/02	3.17	3.24	3.30	3.30	inconclusive	inconclusive
02/01/03	6.62	6.61	6.65	6.62	inconclusive	inconclusive
04/23/03	6.85	6.86	6.90	6.82	S 85 ⁰ W	0.0009
07/25/03	5.13	5.16	5.17	5.12	N 50 ⁰ W	0.0008
11/26/03	3.88	3.88	3.91	3.87	S 71 ⁰ W	0.0004
01/14/04	5.77	5.78	5.81	5.76	N 86 ⁰ W	0.0006
04/07/04	7.81	7.80	7.84	7.78	S 53 ⁰ W	0.0009
08/13/04	4.98	5.04	4.99	4.93	inconclusive	inconclusive
10/13/04	4.42	4.43	4.45	4.39	S 86 ⁰ W	0.0011
					N 75 ⁰ W	0.0005
01/11/05	6.63	6.64	6.66	6.62	N 76 ⁰ W	0.0005

A.2 Cumulative Soil Analytical Results

TABLE A-2 Analytical Results of Soil Samples Collected November 17, 2000 Analyzed by EPA Methods 8015(M), 8010B, and 8020A All Results in Parts Per Million (ppm)						
Sample	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes
DP-4-12	<10	<10	- - -	- - -	- - -	- - -
DP-5-12	<10	<10	- - -	- - -	- - -	- - -
DP-6-8	<10	<10	- - -	- - -	- - -	- - -
TW-1-24	<10	<10	- - -	- - -	- - -	- - -
TW-2-20	<10	<10	- - -	- - -	- - -	- - -
TW-3-20	310	250	- - -	- - -	- - -	- - -

- - - = Not analyzed for

TABLE A-3 Analytical Results of Soil Samples Collected During Monitoring Well Installation Analyzed by EPA Method 8260B and 8015(M) for TPHg, TPHd, and BTEX All Results in Parts Per Million (ppm)							
Sample	Date	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes
MW-1@15'	09/28/01	630	1,300	<0.050	<0.050	<0.050	<0.050
MW-1@25'	09/28/01	260	160	<0.050	<0.050	<0.050	<0.050
MW-2@10'	07/19/01	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-2@25'	07/19/01	470	310	<0.050	<0.050	<0.050	<0.10
MW-3@15'	07/18/01	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-3@25'	07/18/01	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-4@15'	09/28/01	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-4@25'	09/28/01	1,200	420	<0.050	<0.050	<0.050	<0.050

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

TABLE A-4 Analytical Results of Soil Samples Collected During Monitoring Well Installation Analyzed by EPA Method 8260B for MTBE and Lead Scavengers All Results in Parts Per Million (ppm)				
Sample	Date	MTBE	1,2-DCA	EDB
MW- 1@15'	09/28/01	<0.10	<0.050	<0.050
MW- 1@25'	09/28/01	<0.050	<0.050	<0.050
MW- 2@10'	07/19/01	<0.0050	<0.0050	<0.0050
MW- 2@25'	07/19/01	<0.050	<0.050	<0.050
MW- 3@15'	07/18/01	<0.0050	<0.0050	<0.0050
MW- 3@25'	07/18/01	<0.0050	<0.0050	<0.0050
MW- 4@15'	09/28/01	<0.0050	<0.0050	<0.0050
MW- 4@25'	09/28/01	<0.050	<0.050	<0.050

MTBE = Methyl tert butyl ether
 1,2- DCA = 1,2- Dichloroethane
 EDB = 1,2-Dibromoethane (aka. Ethylene dibromide)

TABLE A-5 Analytical Results of Spoil Pile Collected July 26, 2001 Analyzed by EPA Methods 8260B, 8015(M), and 6010 All Results are in Parts Per Million (ppm)	
Analyte	Concentration
Total Petroleum Hydrocarbons as gasoline	<1.0
Total Petroleum Hydrocarbons as diesel	<1.0
Benzene	<0.0050
Toluene	<0.0050
Ethylbenzene	<0.0050
Xylenes	<0.0050
Volatile Organic Compounds	ND
Ketones	ND
Total Lead	20

ND = Not detected

TABLE A-6 Analysis Performed on Soil Samples Collected August 9, 2001					
Analysis	EPA Method	T-1N@10.5	T-1S@10.5	T8W@7.5	T8E@7.5
TPHg (Table A-7)	8260B	XX	XX	XX	XX
BTEX (Table A-7)	8260B	XX	XX	XX	XX
Seven Oxygenates	8260B	XX	XX	XX	XX
TPHd (Table A-7)	8015(M)	XX	XX	XX	XX
Lead Scavengers	8260B	XX	XX	XX	XX
TPHmo (Table A-7)	8015(M)	XX	XX		
HVOCs	8260B	XX	XX		
WET Lead	6010	XX	XX		
VOCs	8260B			XX	XX
Polynuclear Aromatics (PNAs)	8015B			XX	XX
Five LUFT Metals (Table A-8)	6010B			XX	XX
Oil & Grease	1664			XX	XX
Ethylene Glycol	8015B			XX	XX
Polychlorinated biphenyls (PCBs)	3545 and 8082			XX	XX

XX = Sample analyzed for

TABLE A-7 Analytical Results of Soil Samples Collected August 9, 2001 Analyzed by EPA Method 8260B for TPHg and BTEX and by EPA Method and 8015(M) for TPHd and TPHmo All Results in Parts Per Million (ppm)							
Sample	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes
T- 1N@10.5	<1.0	19	<10	<0.0050	<0.0050	<0.0050	<0.0050
T- 1S@10.5	<1.0	<1.0	<10	<0.0050	<0.0050	<0.0050	<0.0050
T8W@7.5	<1.0	<1.0	- - -	<0.0050	<0.0050	<0.0050	<0.0050
T8E@7.5	<1.0	<1.0	- - -	<0.0050	<0.0050	<0.0050	<0.0050

TPHg = Total petroleum hydrocarbons as gasoline
 TPHd = Total petroleum hydrocarbons as diesel
 TPHmo = Total petroleum hydrocarbons as motor oil
 - - - = Not analyzed for

TABLE A-8 Analytical Results of Soil Samples Collected August 9, 2001 Analyzed by EPA Method 6010B for the Five LUFT Metals All Results in Parts Per Million (ppm)					
Sample	Cadmium	Chromium	Lead	Nickel	Zinc
T8W@7.5	<0.0500	<0.0500	1.3	60.36	23.71
T8E@7.5	<0.0500	0.0564	<0.100	0.32	46.05

TABLE A-9 Analytical Results of Soil Samples Collected January 14, 2004 Analyzed for TPHg, TPHd, TPHmo, BTEX, and MTBE All Results in Parts Per Million (ppm)								
Sample ID	TPHg	TPHd ¹	TPHmo	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE
GP-1@20'	<1.0	3.7	<10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
GP-2@20'	<1.0	2.6	<10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
GP-3@20'	<1.0	1.5	<10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
GP-4@20'	<1.0	3.1	<10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
GP-5@20'	<1.0	4.6	<10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
GP-6@20'	2.6	27	<10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
GP-7@20'	<1.0	2.1	<10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

TPHmo = Total petroleum hydrocarbons as motor oil

MTBE = Methyl tert butyl ether

¹ Hydrocarbons do not exhibit a typical TPH as Diesel chromatographic pattern for samples GP-1@20', GP-2@20', GP-3@20', GP-4@20', GP-5@20', and GP-7@20'

A.3 Cumulative Ground Water Analytical Results

TABLE A-10 Analytical Results of Ground Water Samples Collected November 17, 2000 Analyzed by EPA Methods 8015(M), 8010B, and 8020A All Results in Parts Per Billion (ppb)									
Sample	TPHg	TPHd	Benzene	Toluene	Ethyl benzene	Xylenes	1,2-DCE	TCE	PCE
TW-1	- - -	- - -	1.2	ND	ND	ND	ND	ND	ND
TW-2	- - -	- - -	ND	ND	ND	12	3.5	6.4	0.82
TW-3	- - -	- - -	ND	310	80	720	ND	1.7	ND

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

PCE = Tetrachloroethene

- - - = Not analyzed for

1,2-DCA = 1,2-Dichloroethene

TCE = Trichloroethene

ND = Not detected

TABLE A-11 Analytical Results of Water Sample Collected July 26, 2001 from the 500 Gallon Tank Analyzed by EPA Methods 8260B, 8015(M), and 6010 All Results are in Parts Per Billion (ppb)	
Analyte	Concentration
Total Petroleum Hydrocarbons as gasoline	<50
Total Petroleum Hydrocarbons as diesel	<50
Total Petroleum Hydrocarbons as motor oil	<100
Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<0.50
Volatile Organic Compounds	ND
Ketones	ND

ND = Not detected

TABLE A-12 Analytical Results of Ground Water Samples Analyzed by EPA Method 8260B for TPHg, BTEX, and MTBE, and by EPA Method 8015(M) for TPHd All Results in Parts Per Billion (ppb)							
Well/Date	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MW- 1							
10/15/01	13,000	<2,000 ¹	<1.0	<1.0	50	4.4	<1.0
01/20/02	5,600	<2,000 ¹	<0.50	<0.50	58	4.4	<0.50
05/16/02	4,800	<600 ¹	<0.50	<0.50	18	2.2	<0.50
07/13/02	4,800	<1,200 ¹	<0.50	<0.50	26	3.2	<1.0
10/25/02	5,300	<2,500 ¹	<1.0	<1.0	26	3.0	<1.0
02/01/03	5,000	<1,500 ¹	<2.0	<2.0	12	2.5	<2.0
04/23/03	6,800	<1,600 ¹	<1.5	<1.5	11	2.0	<1.5
07/25/03	5,300	<1,500 ¹	<0.50	<0.50	7.0	1.7	<0.50
11/26/03	4,500	<1,500 ¹	<1.5	<1.5	4.0	<1.5	<1.5
01/14/04	5,900	<2,000 ¹	<1.0	<1.0	5.3	1.9	<1.0
04/07/04	6,600	<1,500 ¹	<2.5	<2.5	4.0	<2.5	<2.5
08/13/04	6,500	<1,500 ¹	<1.5	<1.5	3.3	<1.5	<1.5
10/13/04	5,500	<1,500 ¹	<1.0	<1.0	2.8	1.6	<1.0
01/11/05	5,200	<1,500 ¹	<1.0	<1.0	2.7	1.0	<1.0
MW- 2							
07/19/01	1,400	<1,000 ¹	<0.50	<0.50	<0.50	<0.50	<0.50
10/15/01	2,100	- - -	<0.50	<0.50	<0.50	<0.50	<0.50
01/20/02	1,000	<300 ¹	<0.50	<0.50	<0.50	<0.50	<0.50
05/16/02	930	<200 ¹	<0.50	<0.50	<0.50	<0.50	<0.50
07/13/02	930	<200 ¹	<0.50	<0.50	<0.50	<0.50	0.62
10/25/02	810	<400 ¹	<0.50	<0.50	<0.50	<0.50	0.52
02/01/03	630	<300 ¹	<0.50	<0.50	<0.50	<0.50	0.63
04/23/03	690	<250 ¹	<0.50	<0.50	<0.50	<0.50	0.61
07/25/03	450	<400 ¹	<0.50	<0.50	<0.50	<0.50	<0.80 ²
11/26/03	570	<300 ¹	<0.50	<0.50	<0.50	<0.50	<0.80 ²
01/14/04	620	<300 ¹	<0.50	<0.50	<0.50	<0.50	0.96
04/07/04	480	<200 ¹	<0.50	<0.50	<0.50	<0.50	0.82
08/13/04	460	<200 ¹	<0.50	<0.50	<0.50	<0.50	0.93

TABLE A-12 Analytical Results of Ground Water Samples Analyzed by EPA Method 8260B for TPHg, BTEX, and MTBE, and by EPA Method 8015(M) for TPHd All Results in Parts Per Billion (ppb)							
Well/Date	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
10/13/04	460	<200 ¹	<0.50	<0.50	<0.50	<0.50	1.0
01/11/05	400	<200 ¹	<0.50	<0.50	<0.50	<0.50	0.97
MW- 3							
07/19/01	<50	<50	<0.50	<0.50	<0.50	<0.50	0.85
10/15/01	<50	- - -	<0.50	<0.50	<0.50	<0.50	0.98
01/20/02	<50	<50	<0.50	<0.50	<0.50	<0.50	1.0
05/16/02	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1
07/13/02	<50	<50	<0.50	<0.50	<0.50	<0.50	1.3
10/25/02	<50	<50	<0.50	<0.50	<0.50	<0.50	1.2
02/01/03	<50	<50	<0.50	<0.50	<0.50	<0.50	1.4
04/23/03	<50	83	<0.50	<0.50	<0.50	<0.50	1.4
07/25/03	<50	<50	<0.50	<0.50	<0.50	<0.50	1.4
11/26/03	<50	<50	<0.50	<0.50	<0.50	<0.50	1.3
01/14/04	<50	72	<0.50	<0.50	<0.50	<0.50	1.9
04/07/04	<50	73	<0.50	<0.50	<0.50	<0.50	1.5
08/13/04	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1
10/13/04	<50	<50	<0.50	<0.50	<0.50	<0.50	1.0
01/11/05	<50	<50	<0.50	<0.50	<0.50	<0.50	0.96
MW- 4							
10/15/01	4,300	<800 ¹	<0.50	<0.50	<0.50	<0.50	<0.50
01/20/02	2,000	<500 ¹	<0.50	<0.50	<0.50	<0.50	<0.50
05/16/02	1,900	<200 ¹	<0.50	<0.50	<0.50	<0.50	<0.50
07/13/02	2,200	<400 ¹	<0.50	<0.50	<0.50	<0.50	<0.50
10/25/02	1,900	<600 ¹	<0.50	<0.50	<0.50	<0.50	0.74
02/01/03	1,800	<400 ¹	<0.50	<0.50	<0.50	<0.50	<1.0 ²
04/23/03	1,700	<400 ¹	<0.50	<0.50	<0.50	<0.50	<0.50
07/25/03	1,400	<300 ¹	<0.50	<0.50	<0.50	<0.50	<0.50
11/26/03	1,600	<300 ¹	<0.50	<0.50	<0.50	<0.50	0.76
01/14/04 ³	1,600	<300 ¹	<0.50	<0.50	<0.50	<0.50	0.69

TABLE A-12 Analytical Results of Ground Water Samples Analyzed by EPA Method 8260B for TPHg, BTEX, and MTBE, and by EPA Method 8015(M) for TPHd All Results in Parts Per Billion (ppb)							
Well/Date	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
04/07/04	1,400	<300 ¹	<0.50	<0.50	<0.50	<0.50	<0.50
08/13/04	1,300	<200 ¹	<0.50	<0.50	<0.50	<0.50	0.81
10/13/04	1,200	<200 ¹	<0.50	<0.50	<0.50	<0.50	1.0
01/11/05	1,700	<200 ¹	<0.50	<0.50	<0.50	<0.50	0.86

TPHg = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tert butyl ether

TPHd = Total petroleum hydrocarbons as diesel

¹ Laboratory note: The Method Reporting Limit for TPH as Diesel has been increased due to interference from Gasoline-Range Hydrocarbons”

² Laboratory note: The Method Reporting Limit for MTBE has been increased due to the presence of an interfering compound....”

³ Sample was also analyzed by EPA Method 8015(M) for TPHmo. Concentration of TPHmo was <100 ppb.

TABLE A-13 Analytical Results of Ground Water Samples Analyzed by EPA Method 8260B for the Five Oxygenates and Lead Scavengers All Results in Parts Per Billion (ppb)							
Well/Date	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
MW- 1							
10/15/01	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0
MW- 2							
07/19/01	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
MW- 3							
07/19/01	0.85	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
MW-4							
10/15/01	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50

MTBE = Methyl tert butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tert butyl ether

TAME = Tert amyl methyl ether

TBA = Tert butanol

1,2-DCA = 1,2- Dichloroethane

EDB = 1,2-Dibromoethane (aka. Ethylene dibromide)

¹ Laboratory note: The Method Reporting Limit for MTBE has been increased due to the presence of an interfering compound....”

TABLE A-14

Analytical Results of Ground Water Samples Collected January 14, 2004
Analyzed by EPA Method 8260B for TPHg, BTEX, and MTBE
and by EPA Method 8015(M) for TPHd and TPHmo
All Results in Parts Per Billion (ppb)

Sample ID	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
GP-1	<50	92	<100	<0.50	<0.50	<0.50	<0.50	<0.50
GP-2	200	380	180	<0.50	<0.50	<0.50	<0.50	<0.50
GP-3	<50	240	530 ²	<0.50	<0.50	<0.50	<0.50	<0.50
GP-4	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50
GP-5	<50	130 ¹	130	<0.50	<0.50	<0.50	<0.50	1.1
GP-6	180	660	170	<0.50	<0.50	<0.50	<0.50	<0.50
GP-7	<50	270 ¹	1,400	<0.50	<0.50	<0.50	<0.50	<0.50

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

TPHmo = Total petroleum hydrocarbons as motor oil

MTBE = Methyl tert butyl ether

¹ Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples GP-5 and GP-7

² Hydrocarbons reported as TPH as Motor Oil do not exhibit a typical Motor Oil chromatographic pattern for sample GP-3

TABLE A-15

Positive Analytical Results of Ground Water Samples
Analyzed by EPA Method 8260B for Volatile Organic Compounds
All Results in Parts Per Billion (ppb)

Well/Date	cis-1,2- Dichloroethene	Trichloroethene	Vinyl Chloride
MW- 1			
10/15/01	<1.0	<1.0	1.2
01/20/02	1.1	<2.0 ¹	1.2
05/16/02	1.6	<1.0 ¹	1.0
07/13/02	1.6	<2.0 ¹	<1.0
10/25/02	1.3	<1.0	<1.0
02/01/03	<2.0	<2.0	<2.0
04/23/03	<1.5	<1.5	<1.5
07/25/03	0.82	<2.0 ¹	<0.50
11/26/03	<1.5	<5.0 ¹	<1.5
01/14/04	<1.0	<1.0	<1.0
04/07/04	<2.5	<2.5	<2.5
08/13/04	<1.5	<1.5	<1.5

TABLE A-15 Positive Analytical Results of Ground Water Samples Analyzed by EPA Method 8260B for Volatile Organic Compounds All Results in Parts Per Billion (ppb)			
Well/Date	cis-1,2- Dichloroethene	Trichloroethene	Vinyl Chloride
10/13/04	<1.0	<1.0	<1.0
01/11/05	<1.0	<1.0	<1.0
MW- 2			
07/19/01	2.7	2.2	<0.50
10/15/01	4.1	3.5	<0.50
01/20/02	3.0	3.3	<0.50
05/16/02	2.4	3.1	<0.50
07/13/02	2.9	3.5	<0.50
10/25/02	2.6	4.4	<0.50
02/01/03	2.0	4.3	<0.50
04/23/03	2.0	3.6	<0.50
07/25/03	2.0	2.4	<0.50
11/26/03	2.2	3.0	<0.50
01/14/04	2.0	3.5	<0.50
04/07/04	1.6	3.2	<0.50
08/13/04	1.5	1.9	<0.50
10/13/04	1.6	2.2	<0.50
01/11/05	1.5	2.1	<0.50
MW- 3			
07/19/01	<0.50	3.5	<0.50
10/15/01	0.52	4.0	<0.50
01/20/02	0.59	4.5	<0.50
05/16/02	0.64	5.3	<0.50
07/13/02	0.82	6.1	<0.50
10/25/02	0.76	6.6	<0.50
02/01/03	0.64	5.9	<0.50
04/23/03	0.53	5.6	<0.50
07/25/03	0.61	5.2	<0.50
11/26/03	0.67	5.1	<0.50
01/14/04	0.73	5.0	<0.50

TABLE A-15 Positive Analytical Results of Ground Water Samples Analyzed by EPA Method 8260B for Volatile Organic Compounds All Results in Parts Per Billion (ppb)			
Well/Date	cis-1,2- Dichloroethene	Trichloroethene	Vinyl Chloride
04/07/04	0.63	4.9	<0.50
08/13/04	<0.50	3.1	<0.50
10/13/04	<0.50	3.2	<0.50
01/11/05	<0.50	2.9	<0.50
MW- 4			
10/15/01	1.5	<0.50	0.59
01/20/02	0.87	<2.0 ¹	0.72
05/16/02	1.2	<2.0 ¹	0.60
07/13/02	2.2	<2.0 ¹	<1.0 ¹
10/25/02	2.9	<3.0 ¹	<0.50
02/01/03	1.7	<2.0 ¹	<0.50
04/23/03	1.3	<2.0 ¹	0.65
07/25/03	2.6	0.95	0.62
11/26/03	2.6	<2.0 ¹	<0.50
01/14/04	1.4	<2.0 ¹	0.62
04/07/04	1.5	<0.50	0.59
08/13/04	1.9	<0.50	<0.50
10/13/04	2.1	0.64	<0.50
01/11/05	1.2	0.67	<0.50

¹ Laboratory Case Narrative reported the Method Reporting Limit had been increased due to a presence of an interfering compound.

TABLE A-16 Positive Analytical Results ¹ of Ground Water Samples Collected January 14, 2004 Analyzed for Volatile Halocarbons All Results in Parts Per Billion (ppb)				
Sample ID	cis-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Tetrachloroethene
GP-1	1.0	3.8	<0.50	<0.50
GP-2	0.81	<0.50	<0.50	<0.50
GP-3	<0.50	<0.50	<0.50	<0.50
GP-4	<0.50	<0.50	<0.50	<0.50
GP-5	0.94	7.2	<0.50	5.2
GP-6	2.7	0.91	<0.50	<0.50
GP-7	<0.50	5.1	<0.50	<0.50

APPENDIX B

Monitoring Well Purge Data Sheets

APPLIED ENGINEERING AND GEOLOGY, INC.
MONITORING WELL PURGE DATA SHEET

Project Name: Discount Tire Date: 1/11/05
Project Location: 1200 I Street
Sacramento, California
Performed By: Mike Bambino

Well Number: MW-1 Well Location: Northwest corner of lot
Depth to Water: 15.20 @ 1058 Depth of Well: 24.87 ft
Product Thickness: 0.00 in Water Thickness: 9.67 ft
Well Diameter: 2 in Casing Elevation: 21.83 ft
Screen Length 15 feet Ground Water Elevation: 6.63 ft

Calculated Volume of Water to be Purged: 4.83 gallons
Purging Information: Purge Time: Start: 1227 Date Purged: 1/11/05
End: 1240
Actual Volume Purged: 5 gallons

Dissolved Oxygen Before Purge: 1.64 mg/L After Sampling: 0.55 mg/L
Depth To Water After Purge: 15.36 ft
Notable Sheen: None

Time	Volume (gallons)	pH	Temp (deg. C)	Conductivity (μ S)	ORP (mV)
1230	1	6.82	19.1	1054	-128
1233	2	6.77	20.9	1052	-130
1235	3	6.69	21.5	1049	-132
1238	4	6.89	21.4	1051	-137
1240	5	6.85	21.3	1052	-142

Date Sampled: 1/11/05
Time Sampled: 1341
Sampler Type: Disposable Polyethylene Bailer
Sample Containers: 5 - 40 ml VOAs
Tests Requested: TPHg, BTEX, MTBE, TPHd, VOC'S
Preservatives: HCl, Ice
Analytical Lab: KIFF ANALYTICAL
Comments: Strong unidentifiable odor

APPLIED ENGINEERING AND GEOLOGY, INC.
MONITORING WELL PURGE DATA SHEET

Project Name: Discount Tire Date: 1/11/05
Project Location: 1200 I Street
Sacramento, California
Performed By: Mike Bambino

Well Number: MW-2 Well Location: In front of sales room
Depth to Water: 15.71 @ 1052 Depth of Well: 25.21 ft
Product Thickness: 0.00 in Water Thickness: 9.50 ft
Well Diameter: 2 in Casing Elevation: 22.35 ft
Screen Length 15 feet Ground Water Elevation: 6.64 ft

Calculated Volume of Water to be Purged: 4.75 gallons
Purging Information: Purge Time: Start: 1138 Date Purged: 1/11/05
End: 1151
Actual Volume Purged: 5 gallons

Dissolved Oxygen Before Purge: 2.64 mg/L After Sampling: 0.69 mg/L
Depth To Water After Purge: 16.19 ft
Notable Sheen: None

Time	Volume (gallons)	pH	Temp (deg. C)	Conductivity (μ S)	ORP (mV)
1141	1	6.75	18.8	875.4	-115
1143	2	6.89	20.3	879.1	-123
1146	3	6.86	20.4	878.5	-122
1148	4	6.80	20.4	876.3	-126
1151	5	6.82	20.6	875.8	-127

Date Sampled: 1/11/05
Time Sampled: 1313
Sampler Type: Disposable Polyethylene Bailer
Sample Containers: 5 - 40 ml VOAs
Tests Requested: TPHg, BTEX, MTBE, TPHd, VOC'S
Preservatives: HCl, Ice
Analytical Lab: KIFF ANALYTICAL
Comments: Black in color, strong unidentifiable odor

APPLIED ENGINEERING AND GEOLOGY, INC.
MONITORING WELL PURGE DATA SHEET

Project Name: Discount Tire Date: 1/11/05
 Project Location: 1200 I Street
 Sacramento, California
 Performed By: Mike Bambino

Well Number: MW-3 Well Location: North side of lot
 Depth to Water: 15.44 @ 1050 Depth of Well: 25.19 ft
 Product Thickness: 0.00 in Water Thickness: 9.75 ft
 Well Diameter: 2 in Casing Elevation: 22.10 ft
 Screen Length 15 feet Ground Water Elevation: 6.66 ft

Calculated Volume of Water to be Purged: 4.87 gallons
 Purging Information: Purge Time: Start: 1116 Date Purged: 1/11/05
 End: 1128
 Actual Volume Purged: 5 gallons

Dissolved Oxygen Before Purge: 2.12 mg/L After Sampling: 0.49 mg/L
 Depth To Water After Purge: 15.51 ft
 Notable Sheen: None

Time	Volume (gallons)	pH	Temp (deg. C)	Conductivity (μ S)	ORP (mV)
1118	1	6.90	20.6	973.4	117
1120	2	6.64	21.5	866.7	106
1123	3	6.34	20.3	864.6	104
1125	4	6.83	20.5	856.7	120
1128	5	6.62	20.7	861.6	126

Date Sampled: 1/11/05
 Time Sampled: 1300
 Sampler Type: Disposable Polyethylene Bailer
 Sample Containers: 5 - 40 ml VOAs
 Tests Requested: TPHg, BTEX, MTBE, TPHd, VOC's
 Preservatives: HCl, Ice
 Analytical Lab: KIFF ANALYTICAL
 Comments: Brown in color

APPLIED ENGINEERING AND GEOLOGY, INC.
MONITORING WELL PURGE DATA SHEET

Project Name: Discount Tire Date: 1/11/05
 Project Location: 1200 I Street
 Sacramento, California
 Performed By: Mike Bambino

Well Number: MW-4 Well Location: Southwest corner of parking lot
 Depth to Water: 15.41 @ 1055 Depth of Well: 24.74 ft
 Product Thickness: 0.00 in Water Thickness: 9.33 ft
 Well Diameter: 2 in Casing Elevation: 22.03 ft
 Screen Length 15 feet Ground Water Elevation: 6.62 ft

Calculated Volume of Water to be Purged: 4.66 gallons
 Purging Information: Purge Time: Start: 1202 Date Purged: 1/11/05
 End: 1214
 Actual Volume Purged: 5 gallons

Dissolved Oxygen Before Purge: 1.76 mg/L After Sampling: 0.53 mg/L
 Depth To Water After Purge: 15.52 ft
 Notable Sheen: None

Time	Volume (gallons)	pH	Temp (deg. C)	Conductivity (μ S)	ORP (mV)
1204	1	7.11	18.3	899.7	-138
1206	2	7.04	20.0	904.4	-148
1208	3	6.94	20.1	899.3	-149
1211	4	6.79	20.0	897.6	-136
1214	5	6.74	20.0	896.4	-140

Date Sampled: 1/11/05
 Time Sampled: 1327
 Sampler Type: Disposable Polyethylene Bailer
 Sample Containers: 5 - 40 ml VOAs
 Tests Requested: TPHg, BTEX, MTBE, TPHd, VOC'S
 Preservatives: HCl, Ice
 Analytical Lab: KIFF ANALYTICAL
 Comments: Black in color, strong unidentifiable odor

APPENDIX C

Certified Laboratory Analytical Reports



Report Number : 41928

Date : 1/18/2005

Ernie Schofield
Applied Engineering & Geology, Inc.
P. O. Box 247
Lincoln, CA 95648

Subject : 4 Water Samples
Project Name : Discount Tire
Project Number : QMR 1Q05

Dear Mr. Schofield,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff", is written over a printed name label.

Joel Kiff



Report Number : 41928

Date : 1/18/2005

Subject : 4 Water Samples
Project Name : Discount Tire
Project Number : QMR 1Q05

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-1, MW-2 and MW-4.

Matrix Spike/Matrix Spike Duplicate Results associated with samples MW-2, MW-3 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Approved By:

A handwritten signature in black ink, appearing to read "Joel Kiff", is written over a horizontal line. Below the signature, the name "Joel Kiff" is printed in a standard black font.



Report Number : 41928

Date : 1/18/2005

Project Name : **Discount Tire**

Project Number : **QMR 1Q05**

Sample : **MW-1**

Matrix : Water

Lab Number : 41928-01

Sample Date :1/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1500	1500	ug/L	M EPA 8015	1/14/2005
Octacosane (Diesel Surrogate)	107		% Recovery	M EPA 8015	1/14/2005

Sample : **MW-2**

Matrix : Water

Lab Number : 41928-02

Sample Date :1/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 200	200	ug/L	M EPA 8015	1/14/2005
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	1/14/2005

Sample : **MW-3**

Matrix : Water

Lab Number : 41928-03

Sample Date :1/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	1/14/2005
Octacosane (Diesel Surrogate)	107		% Recovery	M EPA 8015	1/14/2005

Approved By:


Joel Kiff



Report Number : 41928

Date : 1/18/2005

Project Name : **Discount Tire**

Project Number : **QMR 1Q05**

Sample : **MW-4**

Matrix : Water

Lab Number : 41928-04

Sample Date :1/11/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 200	200	ug/L	M EPA 8015	1/14/2005
Octacosane (Diesel Surrogate)	108		% Recovery	M EPA 8015	1/14/2005

Approved By:

Joel Kiff



Report Number : 41928

Date : 1/18/2005

Sample : MW-1

Project Name : Discount Tire

Project Number : QMR 1Q05

Lab Number : 41928-01

Date Analyzed : 1/14/2005

Matrix : Water

Sample Date : 1/11/2005

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
Benzene	< 1.0	1.0	ug/L
Toluene	< 1.0	1.0	ug/L
Ethylbenzene	2.7	1.0	ug/L
Total Xylenes	1.0	1.0	ug/L

Methyl-t-butyl ether (MTBE) < 1.0 1.0 ug/L

TPH as Gasoline 5200 100 ug/L

Chloromethane	< 1.0	1.0	ug/L
Vinyl Chloride	< 1.0	1.0	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 1.0	1.0	ug/L
Trichlorofluoromethane	< 1.0	1.0	ug/L
1,1-Dichloroethene	< 1.0	1.0	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L
1,1-Dichloroethane	< 1.0	1.0	ug/L
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L
Chloroform	< 1.0	1.0	ug/L
1,1,1-Trichloroethane	< 1.0	1.0	ug/L
1,2-Dichloroethane	< 1.0	1.0	ug/L
Carbon Tetrachloride	< 1.0	1.0	ug/L
Trichloroethene	< 1.0	1.0	ug/L
1,2-Dichloropropane	< 1.0	1.0	ug/L
Bromodichloromethane	< 1.0	1.0	ug/L
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L
1,1,2-Trichloroethane	< 8.0	8.0 (2)	ug/L
Tetrachloroethene	< 1.0	1.0	ug/L
Dibromochloromethane	< 1.0	1.0	ug/L
Chlorobenzene	< 1.0	1.0	ug/L
Bromoform	< 1.0	1.0	ug/L
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L
1,3-Dichlorobenzene	< 1.0	1.0	ug/L
1,4-Dichlorobenzene	< 1.0	1.0	ug/L
1,2-Dichlorobenzene	< 1.0	1.0	ug/L
1,2-Dibromoethane	< 1.0	1.0	ug/L

Parameter	Measured Value	MRL ¹	Units
Toluene - d8 (Surr)	93.2		% Recovery
4-Bromofluorobenzene (Surr)	95.3		% Recovery
Dibromofluoromethane (Surr)	99.2		% Recovery
1,2-Dichloroethane-d4 (Surr)	86.2		% Recovery

- 1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:

Joel Kiff



Report Number : 41928

Date : 1/18/2005

Sample : MW-2

Project Name : Discount Tire

Project Number : QMR 1Q05

Lab Number : 41928-02

Date Analyzed : 1/14/2005

Matrix : Water

Sample Date : 1/11/2005

Analysis Method: EPA 8260B

Parameter	Measured Value	¹ MRL	Units
Benzene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L
Total Xylenes	< 0.50	0.50	ug/L

Methyl-t-butyl ether (MTBE) **0.97** 0.50 ug/L

TPH as Gasoline **400** 50 ug/L

Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	1.5	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 0.50	0.50	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Trichloroethene	2.1	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
Chlorobenzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 0.50	0.50	ug/L

Parameter	Measured Value	¹ MRL	Units
Toluene - d8 (Surr)	92.8		% Recovery
4-Bromofluorobenzene (Surr)	94.2		% Recovery
Dibromofluoromethane (Surr)	92.2		% Recovery
1,2-Dichloroethane-d4 (Surr)	100		% Recovery

- 1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Joel Kiff



Report Number : 41928

Date : 1/18/2005

Sample : MW-3

Project Name : Discount Tire

Project Number : QMR 1Q05

Lab Number : 41928-03

Date Analyzed : 1/14/2005

Matrix : Water

Sample Date : 1/11/2005

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
Benzene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L
Total Xylenes	< 0.50	0.50	ug/L

Methyl-t-butyl ether (MTBE) **0.96** 0.50 ug/L

TPH as Gasoline < 50 50 ug/L

Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 0.50	0.50	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Trichloroethene	2.9	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
Chlorobenzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 0.50	0.50	ug/L

Parameter	Measured Value	MRL ¹	Units
Toluene - d8 (Surr)	89.7		% Recovery
4-Bromofluorobenzene (Surr)	93.0		% Recovery
Dibromofluoromethane (Surr)	93.4		% Recovery
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery

- 1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:

Joel Kiff



Report Number : 41928

Date : 1/18/2005

Sample : MW-4

Project Name : Discount Tire

Project Number : QMR 1Q05

Lab Number : 41928-04

Date Analyzed : 1/16/2005

Matrix : Water

Sample Date : 1/11/2005

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
Benzene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L
Total Xylenes	< 0.50	0.50	ug/L

Methyl-t-butyl ether (MTBE) **0.86** 0.50 ug/L

TPH as Gasoline **1700** 50 ug/L

Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	1.2	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 0.50	0.50	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Trichloroethene	0.67	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
Chlorobenzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 0.50	0.50	ug/L

Parameter	Measured Value	MRL ¹	Units
Toluene - d8 (Surr)	102		% Recovery
4-Bromofluorobenzene (Surr)	102		% Recovery
Dibromofluoromethane (Surr)	96.3		% Recovery
1,2-Dichloroethane-d4 (Surr)	100		% Recovery

- 1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Joel Kiff

Report Number : 41928

Date : 1/18/2005

QC Report : Method Blank Data

Project Name : **Discount Tire**

Project Number : **QMR 1Q05**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	1/14/2005	1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Octasane (Diesel Surrogate)	98.2		%	M EPA 8015	1/14/2005	1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Toluene - d8 (Surr)	94.6	%		EPA 8260B	1/13/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	4-Bromofluorobenzene (Surr)	90.0	%		EPA 8260B	1/13/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Dibromofluoromethane (Surr)	105	%		EPA 8260B	1/13/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/13/2005	1,2-Dichloroethane-d4 (Surr)	98.2	%		EPA 8260B	1/13/2005
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Bromomethane	< 20	20	ug/L	EPA 8260B	1/13/2005	Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/15/2005
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	1/13/2005	Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Bromomethane	< 20	20	ug/L	EPA 8260B	1/15/2005
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	1/15/2005
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Chloroform	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
Bromoform	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
						cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005
						trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005

Approved By:

Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 41928

Date : 1/18/2005

QC Report : Method Blank Data

Project Name : **Discount Tire**

Project Number : **QMR 1Q05**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005	Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005	Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005	1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005	Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Bromoform	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005	cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005	trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005	1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005	Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005	Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	1/15/2005	Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Toluene - d8 (Surr)	101		%	EPA 8260B	1/15/2005	Bromoform	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
4-Bromofluorobenzene (Surr)	110		%	EPA 8260B	1/15/2005	1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Dibromofluoromethane (Surr)	96.7		%	EPA 8260B	1/15/2005	1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	1/15/2005	1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
						1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Toluene - d8 (Surr)	91.3		%	EPA 8260B	1/13/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	4-Bromofluorobenzene (Surr)	91.4		%	EPA 8260B	1/13/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	Dibromofluoromethane (Surr)	92.4		%	EPA 8260B	1/13/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005	1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	1/13/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	1/13/2005						
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						
Bromomethane	< 20	20	ug/L	EPA 8260B	1/13/2005						
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	1/13/2005						
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	1/13/2005						

Approved By:

Joel Kiff

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2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 41928

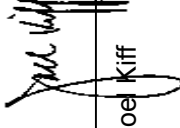
Date : 1/18/2005

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Discount Tire**

Project Number : **QMR 1Q05**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	991	1020	ug/L	M EPA 8015	1/14/05	99.1	102	2.89	70-130	25
Benzene	41934-01	<0.50	39.4	39.6	36.4	36.3	ug/L	EPA 8260B	1/14/05	92.5	91.7	0.901	70-130	25
Toluene	41934-01	<0.50	39.4	39.6	36.3	36.5	ug/L	EPA 8260B	1/14/05	92.3	92.2	0.122	70-130	25
Tert-Butanol	41934-01	<5.0	197	198	203	209	ug/L	EPA 8260B	1/14/05	103	106	2.58	70-130	25
Methyl-t-Butyl Ether	41934-01	<0.50	39.4	39.6	39.3	41.9	ug/L	EPA 8260B	1/14/05	99.8	106	5.79	70-130	25
Benzene	41955-01	<0.50	40.0	40.0	39.8	38.1	ug/L	EPA 8260B	1/15/05	99.6	95.2	4.56	70-130	25
Toluene	41955-01	<0.50	40.0	40.0	39.6	38.1	ug/L	EPA 8260B	1/15/05	99.1	95.2	3.96	70-130	25
Tert-Butanol	41955-01	<5.0	200	200	200	199	ug/L	EPA 8260B	1/15/05	100	99.7	0.565	70-130	25
Methyl-t-Butyl Ether	41955-01	<0.50	40.0	40.0	36.7	35.9	ug/L	EPA 8260B	1/15/05	91.7	89.8	2.04	70-130	25
Benzene	41927-05	21	40.0	40.0	71.2	70.0	ug/L	EPA 8260B	1/13/05	124	121	2.52	70-130	25
Toluene	41927-05	<0.50	40.0	40.0	40.6	39.6	ug/L	EPA 8260B	1/13/05	102	99.0	2.62	70-130	25
Tert-Butanol	41927-05	6.5	200	200	217	210	ug/L	EPA 8260B	1/13/05	105	102	3.27	70-130	25
Methyl-t-Butyl Ether	41927-05	200	40.0	40.0	239	190	ug/L	EPA 8260B	1/13/05	93.1	0.00	200	70-130	25

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Report Number : 41928

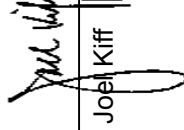
Date : 1/18/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : **Discount Tire**

Project Number : **QMR 1Q05**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	1/13/05	89.9	70-130
Toluene	40.0	ug/L	EPA 8260B	1/13/05	93.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/13/05	107	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/13/05	109	70-130
Benzene	40.0	ug/L	EPA 8260B	1/15/05	94.6	70-130
Toluene	40.0	ug/L	EPA 8260B	1/15/05	96.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/15/05	98.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/15/05	92.3	70-130
Benzene	40.0	ug/L	EPA 8260B	1/13/05	116	70-130
Toluene	40.0	ug/L	EPA 8260B	1/13/05	98.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	1/13/05	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	1/13/05	81.0	70-130



Approved By:

KIFF ANALYTICAL, LLC

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APPENDIX D

AB2886 Submittal Report

Electronic Submittal Information

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DISCOUNT TIRE - T0606793641

1200 I ST
SACRAMENTO, CA 95814

* DENOTES THAT A SUBMITTAL HAS BEEN AUTO-RECEIVED

EDF SUBMITTALS

CONF NUM	TITLE	QUARTER	SUBMITTED BY	SUBMIT DATE	STATUS		
6257433295	PIER	Q4 2001	EARL STEPHENS	2/7/2002	RECEIVED ON 3/6/2003	VIEW SUBMITTAL	QC REPORT
8054859340	DISCOUNT TIRE EDF 02A	Q1 2002	EARL STEPHENS	3/21/2002	RECEIVED ON 5/10/2002	VIEW SUBMITTAL	QC REPORT
4646438479	QUARTERLY MONITORING REPORT, SECOND QUARTER 2002...	Q2 2002	EARL STEPHENS	6/4/2002	RECEIVED ON 7/19/2002	VIEW SUBMITTAL	QC REPORT
4710105001	(27491) QMR 02C	Q3 2002	EARL STEPHENS	9/4/2002	RECEIVED ON 10/16/2002	VIEW SUBMITTAL	QC REPORT
9604175686	(29381) QMR 02D	Q4 2002	EARL STEPHENS	11/20/2002	RECEIVED ON 4/1/2003	VIEW SUBMITTAL	QC REPORT
6126838147	(31278) QMR 03A	Q1 2003	EARL STEPHENS	3/21/2003	RECEIVED ON 7/11/2003	VIEW SUBMITTAL	QC REPORT
6362167119	(32846) QMR 03B	Q2 2003	EARL STEPHENS	5/21/2003	RECEIVED ON 7/16/2003	VIEW SUBMITTAL	QC REPORT
3799719810	(34263) QMR 03C	Q3 2003	EARL STEPHENS	8/14/2003	RECEIVED ON 9/11/2003	VIEW SUBMITTAL	QC REPORT
6859316706	(36005) QMR 03D & STATUS OF WORKPLAN #2	Q4 2003	EARL STEPHENS	12/19/2003	RECEIVED ON 12/26/2003	VIEW SUBMITTAL	QC REPORT
5665729939	(36687) QMR 04A	Q1 2004	EARL STEPHENS	2/13/2004	RECEIVED ON 2/17/2004	VIEW SUBMITTAL	QC REPORT
2218901455	(37830) QMR 04B & RFC	Q2 2004	EARL STEPHENS	5/28/2004	RECEIVED ON 6/3/2004	VIEW SUBMITTAL	QC REPORT
3262231945	(39664) QMR 04C	Q3 2004	EARL STEPHENS	8/27/2004	RECEIVED ON 9/2/2004	VIEW SUBMITTAL	QC REPORT
7457821607	(40578) QMR 04D	Q4 2004	EARL STEPHENS	10/25/2004	RECEIVED ON 11/3/2004	VIEW SUBMITTAL	QC REPORT
9392729640	DISCOUNT TIRE QMR 05A (41928)	Q1 2005	EARL STEPHENS	1/21/2005	RECEIVED ON 1/26/2005	VIEW SUBMITTAL	QC REPORT

GEO_XY SUBMITTALS

CONF NUM	TITLE	SUBMITTED BY	SUBMIT DATE	STATUS	
1207569718	DISCOUNT TIRE GEO_XY	EARL STEPHENS	5/22/2002	RECEIVED ON 3/6/2003	VIEW SUBMITTAL

GEO_Z SUBMITTALS

CONF NUM	TITLE	SUBMITTED BY	SUBMIT DATE	STATUS	
2756641983	DISCOUNT TIRE GEO_Z	EARL STEPHENS	5/22/2002	RECEIVED ON 3/6/2003	VIEW SUBMITTAL

GEO_WELL SUBMITTALS

CONF NUM	TITLE	SUBMITTED BY	SUBMIT DATE	STATUS	
9687504410	DISCOUNT TIRE GEO_WELL 02A	EARL STEPHENS	3/21/2002	RECEIVED ON 3/6/2003	VIEW SUBMITTAL
5105930924	DISCOUNT TIRE GEO_WELL 02B	EARL STEPHENS	5/22/2002	RECEIVED ON 3/6/2003	VIEW SUBMITTAL
5219914078	DISCOUNT TIRE GEO_WELL 02C	EARL STEPHENS	9/4/2002	RECEIVED ON 3/6/2003	VIEW SUBMITTAL
3067967057	DISCOUNT TIRE GEO_WELL 02D	EARL STEPHENS	11/20/2002	RECEIVED ON 3/6/2003	VIEW SUBMITTAL
6897918522	DISCOUNT TIRE GEO_WELL	EARL	3/21/2003	RECEIVED ON	VIEW

6926502823	03A DISCOUNT TIRE GEO_WELL 03B	STEPHENS EARL STEPHENS	5/21/2003	7/11/2003 RECEIVED ON 7/11/2003	SUBMITTAL VIEW SUBMITTAL
8616337418	DISCOUNT TIRE QMR 03C	EARL STEPHENS	8/14/2003	RECEIVED ON 9/5/2003	VIEW SUBMITTAL
7013432145	QMR 03D & STATUS OF WORKPLAN #2	EARL STEPHENS	12/19/2003	RECEIVED ON 12/26/2003	VIEW SUBMITTAL
2757995426	DISCOUNT TIRE QMR 04A	EARL STEPHENS	2/13/2004	RECEIVED ON 2/17/2004	VIEW SUBMITTAL
8578159928	QMR 04B & RFC	EARL STEPHENS	5/28/2004	RECEIVED ON 6/3/2004	VIEW SUBMITTAL
1844914078	QMR 04C	EARL STEPHENS	8/27/2004	RECEIVED ON 9/2/2004	VIEW SUBMITTAL
7709808170	DISCOUNT TIRE QMR 04D	EARL STEPHENS	10/25/2004	RECEIVED ON 11/3/2004	VIEW SUBMITTAL
2715835392	DISCOUNT TIRE QMR 05A GEO_WELL	EARL STEPHENS	1/19/2005	RECEIVED ON 1/26/2005	VIEW SUBMITTAL

GEO_MAP SUBMITTALS

CONF NUM	TITLE	SUBMITTED BY	SUBMIT DATE	STATUS		
8793393790	GEO_MAP	EARL STEPHENS	4/2/2002	DENIED ON 4/1/2003	VIEW SUBMITTAL	DENIAL REASON
1727262198	GEO_MAP	EARL STEPHENS	8/14/2003	RECEIVED ON 8/20/2003	VIEW SUBMITTAL	
5838758170	GEO_MAP	EARL STEPHENS	8/14/2003	RECEIVED ON 8/20/2003	VIEW SUBMITTAL	
2135541617	GEO_MAP	EARL STEPHENS	9/19/2003	RECEIVED ON 10/29/2003	VIEW SUBMITTAL	
8879911124	GEO_MAP	EARL STEPHENS	9/19/2003	RECEIVED ON 10/29/2003	VIEW SUBMITTAL	
6441083610	GEO_MAP	EARL STEPHENS	4/1/2004	RECEIVED ON 4/7/2004	VIEW SUBMITTAL	

GEO_BORE SUBMITTALS

NO GEO_BORE SUBMITTALS FOR THIS FACILITY.

GEO_REPORT SUBMITTALS

NO GEO_REPORT SUBMITTALS FOR THIS FACILITY.

NAME CHANGE SUBMITTALS

NO NAME CHANGE SUBMITTALS FOR THIS FACILITY.

DUPLICATE FACILITY SUBMITTALS

NO DUPLICATE FACILITY SUBMITTALS FOR THIS FACILITY.